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THE NATIONAL TRIBUNE.

JOHN MCELROY, ROBERT W. SHOPPELL, BYRON ANDREWS.

WASHINGTON, D. C., OCTOBER 28, 1897.

is the number of this issue

of THE NATIONAL TRIB-UNE. Every subscriber should compare this with the number on the vellow address slip containing his name. If that number is 847, he has only one paper more coming to him. If 848, he will have two, and so on. He will do us a favor by watching these closely, so as to know when his subscription expires, that he may renew in time, are so many valuable serials now running through the paper that he will feel he cannot afford to miss a number.

We ask everyone, therefore, to look at once at the address slip on his paper, and see how near it comes to 846.

As THE European papers begin to understand the firm temper of Minister Woodford's letter to the Spanish Ministry a notable change is seen in the back the wheels of progress, and unlearn utterances of the more influential. There is no increase of good will toward this country, but there rises before their eyes the perennial terror of a general war. Spain must be given to understand that she will be treated as Greece was, and not allowed to precipitate a European struggle. If she will fight she must fight alone, for if one Nation attempts to help her, there is no assurance that the others will consent to stand aloof, and then, they shudder at the thought. The result will be that this tone will grow more imperative every day, and Spain will be forced to surrender, with nothing more than a torrent of Castilian gasconade to relieve her wounded feelings. She will not be allowed to disturb the peace of Europe in a useless attempt to retain her hold upon an island that she has so grossly misgoverned.

THE laugh over the ridiculous talk about Austria coming to the assistance of Spain is emphasized by a disgraceful free fight which occurred in the Austrian Lower House last week among the representatives of the jarring races which make up the Kingdom. Germans, Poles, Bohemians, Croats, etc., belabored one another with rulers, inkstands, deskcovers, and other weapons, until they wore themselves out fighting. Austria has all that she can do to prevent herself from going to pieces from race confliets that every day grow in bitterness.

THE tone of the German papers for British.

HANNIS TAYLOR, for the last four years Minister to Madrid, is preparing any-price men in those days, in even American people, in which he will say great question was whether we should incapable of solving the Cuban problem, tribute, as the rest of the world was doing, line a plan by which the independence of Cuba can be secured without war.

THE man who served his country honorably during the war has a vested was finally passed in 1794, providing men-of-war off the Portuguese coast, and indictment. right to any form of public employment for the construction of six frigates, but immediately attacked them. After for which he may be capable, such as no other man has or can possibly gain.

payment?

out reference to how much money it \$100,000, and thereafter pay him \$25,- American frigates. Great Britain had may take.

THE NATIONAL TRIBUNE. OUR FREE BOOKS TO EVERY SUBSCRIBER.

So many old subscribers have indicated their disappointment at the withdrawal of "The Cannoneer" and "Capturing a Locomotive" that we have printed and bound new editions of both books, and they will be found in ou offer this week on the eighth page.

This list on the eighth page is very attractive-there is not the equal of it anywhere. It makes club-raising easy.

Large as is the circulation of this paper-your paper-it ought to be doubled. We are doing our part by sacrificing all present profits in the way of

Are you doing your part in the way of club-raising?

As a reply to the work that the Grand Army of the Republic is doing toward hoisting the flag over the school-houses, building of the ships suspended. the Grand Camp of Confederate veterans urges the hoisting of the State flag over each school-house in the South. n request to that | Sect and the necessary the only objection to this is to the animus, and not to the fact. We want every child taught to love and honor his or her State, which is the local embodiment of justice, freedom, law and order. They ought in the same way to love and honor their County and town. If the child is taught respect and affection for the State, the same sentiments are engendered for that which is greater than any State-the United States. A State flag is a good and beautiful thingin its place. That place is strictly subordinate to the National standard. Like every other good thing, the State flag by the "Constellation," 38 guns, lanched became a very bad thing when it was out of its place-when it attempted to arrogate supremacy to the National flag. It will be very edifying and proper to hoist the Palmetto flag over the schoolif the Star Spangled Banner is hoisted first, and the lads and lassies are taught that the National flag is as superior to the other as the other is to the flag of the City of Charleston.

STATE FLAGS ON SCHOOL-HOUSES.

and that the State flag, and the children are to be taught that to it is due their highest allegiance, a criminally audacious effort will be made to turn a lesson taught in fire and blood and measureless human misery. No reprobation can be too severe for men who in the full light of the last decade of the 19th century deliberately set out to teach the rising generation the wicked fallacies which plunged a peaceful country into a bloody war 36 years ago.

"OLD IRONSIDES."

Boston which must have sent a thrill of patriotism to the heart of every American. It was that of the centennial "Constitution," which made the most that ever sailed the seas.

Revolution had left us free and independent, indeed, but we had gained but the "Constitution," and she sank. little more. We had scarcely gained as the earth as is occupied by Venezuela elated, and the British correspondingly or Peru to-day. We certainly did not humiliated and angered. The London around the interpretation that should be have as much interest for the rest of the Times, then, as now, the leading paper placed upon the term "corpus delicti." world as have Mexico, Chile or the in Great Britain, said : Argentine Confederation. We had gained our independence as Cuba will gain hers-more through the blunders as some of our fighting had been, it had much attention from the soldiers and politicians of the world as has been given that of the Boers against the

the past week or two has been that The wisdom of Washington, Hamil-Spain has lost Cuba, and that she has ton, Adams and other Federals saw the deserved to do so, though the United need of a naval force, though this was States has not been altogether blame- bitterly disputed by a school of poli-

an important communication to the larger proportion than to-day. The that the Spanish politicians are utterly fight the Dey of Algiers, or pay him a and that the end is sure. He will out to bribe him to refrain from capturing our merchant vessels and reducing their

crews to slavery. the Peace faction was strong enough to sharp battle she succeeded in capturing force a provision in the bill appropriat- both. They proved to be the "Cyane," Is it not the depth of meanness to ing \$1,000,000, with which to buy off 36 guns and 185 men, and the "Leendeavor to save money for the Treasury the Dey of Algiers, and also to suspend vant," 21 guns and 130 men. by withholding pensions until the claim- the building of the ships if the Dey "Constitution" lost 3 killed and 12 ants are dead and beyond the reach of should accept the offer. In 1795 the wounded, while the enemy's loss was 77 Dey agreed to let our ships alone upon killed and wounded. THE only honest way of treating the condition that we pay him \$800,000 a debt is to pay it when it is due, with- in cash, present him with a frigate worth achievements, as well as at those of other again.

tory which popular orators and writers have been careful to refrain from alluding to. The treaty was ratified, and the

our hands, when the insolent French Directory came down upon us for a similar tribute as the price of leaving our ships alone. The peace-at-any-price fellows were strongly for paying the sum demanded, but the people had gotten tired of that sort of thing, and in 1797 President Adams succeeded in getting a small appropriation to enable him to complete the six ships, fortify some of the harbors, and make other provisions

The first of these, and the first vessel of the United States Navy-the "United States," 44 guns-was lanched at Philadelphia, July 10, 1797. She was followed at Baltimore, Sept. 10, 1787, and the "Constitution," 44 guns, lanched at Boston, Oct. 21.

But if only one flag is to be hoisted, by accident. The "Constitution" had to wait for her turn till the war broke out with Great Britain in 1812. She ing way. was then commanded by the famous Capt. Isaac Hull, and her first exploit not succeed in finding it until Aug. 19, Last Thursday was a celebration at been eagerly looking for each other ever since the beginning of the war. The "Constitution," without firing a shot, ran up to within half-pistol shot of her of the lanching of the glorious old frigate | antagonist, and opened a fire so terrible that in 15 minutes all of the "Guersplendid history of any single vessel riere's" masts and rigging had been shot away, her crew frightfully cut up and The successful termination of the she was in a sinking condition. She

worthy of Englishmen because we described the gloom which that event cast over high and incompetence of our enemy than and honorable minds; we participated in the then became how much of the body must vexation and regret, and it is the first time our own ability and resources. Good that we have ever heard that the striking of the English flag on the high seas to anything like an equal force should be regarded by scarcely been such as to command as Englishmen with complacency and satisfaction. It is not merely that an English frigate has been taken after what we are free to confess may be called a brave resistance, but it has been taken by a new enemy, an enemy to be rendered insolent and confident by

The "Constitution" was immediately sent to sea again under the command of Capt. Bainbridge. Dec. 26, 1812, she Brazil, a ship carrying four more guns fight of two hours the Java was reduced to a wreck, which was set on fire after her crew was taken off. Out o 446 men she had 65 killed and 17 wounded. The Constitution lost only 9 killed and 25 wounded.

On Feb. 20, 1815, the "Constitution," After much heated discussion a bill Charles Stewart, came up with two British

The world was astonished at these 000 a year. This is a phase of our his- been for many years the acknowledged | County about \$30,000.

mistress of the seas! She had fought every other Nation that sailed the seas, and had always whipped. It was the customary thing to see Dutch, French, Spanish and Danish and Russian flags go down before her walls of oak, whether they were borne by single ships or fleets. In the previous 20 years her frigates had fought over 200 single-ship duels with frigates of opposing Nations, and had lost but five out of 200. Yet every time a British ship came up with an American of anything like her strength she was promptly blown out of water, with appalling loss of life, while the American suffered but little.

Many explanations have been given, but the probably correct one is to be We had scarcely gotten the Dey off found in the character of the crews. The English ships were manned by the scum of the ports, gathered in by the press-gangs, while the American crews were composed of hardy New England fishermen, who were the finest sailors in the world. They could sail their ship all around a British vessel, and when they were at the guns they shot to hit.

The astonishing victories of the Constitution and her sister ships, and the equally astonishing victory at New Orleans, had the most beneficial effects in developing the American spirit. They drew the whole people together in bonds of common pride, and gave the young Nation a standing and importance in the eyes of the world such as nothing else could have done.

THE LUCTGERT TRIAL

The most sensational murder trial of War was declared with France July the present decade concluded in Chicago 9, 1798, and there was business at once last week with the disagreement of the houses of South Carolina, for example, for the infant navy. The "Constella- jury. There is little doubt in the minds tion" was the only one actually engaged, of sensible men who have studied the and she was fortunate enough to bring | case that Luetgert killed his wife and one much larger French ship to battle disposed of her in the manner and form still larger, which only escaped capture | pected that the jury would agree upon a verdict, though the State presented its evidence in a very skilful and convinc-

The facts are that Adolph L. Luetgert, an extensive sausage manufacturer was to escape from an overpowering of Chicago, had been living on bad British fleet by handiness and good terms with his wife for many years, and of something nearer her size, but did her. She disappeared from home on the night of May 1, last, and has not 1812, when off the Nova Scotian coast | been seen since. That night Luetgert she came up with the British spent alone in the vat-room of his frigate "Guerriere," which showed every sausage-factory. He had steam gotten disposition to accommodate her. In up under one of the vats during the fact, the commanders of both ships had day, and a strong lye made, under the pretext that he was going to make up a quantity of soft soap, to clean up the factory, so as to sell it. The next day he had the vat-room thoroughly cleaned. In the sediment in the vat the State found two gold rings marked "L. L.," some fragments of bone, a tooth, etc. It claimed that Lurtgert had, after killing his wife, boiled her body to nothingsurrendered, her crew were removed to ness in the lye. It was demonstrated that this could be done by entirely dis-The effect all over the world was elec- integrating in a solution of hot caustic much of a place among the Nations of tric. Our people were enormously potash a body taken from the morgue.

The main legal interest centered The English and American courts have We have been accused of sentiments un- always held that in order to prove a what we saw and felt on the occasion of the murder the State must produce the body capture of the "Guerriere." We witnessed of the murdered person. The question be produced, and the answer has been enough to make the identification with the murdered person beyond a doubt. For example, a mate was quarreling with a sailor on the fore part of the ship one unaccustomed to such triumphs, and likely dark, stormy night. The mate came aft any means ex befits your beauty an' breedin'cursing, picked up a hatchet, and went this rude war lasts it's de best he has. Your forward again. The sailor was never grace an' beauty, howsumever, will make it seen again, but there was a quantity of blood and other traces found on the came up with the Java off the coast of deck where he had been. The courts held that this did not constitute a corpus There were Mugwumps and peace-at- and a much larger crew. After a fierce delicti. In the celebrated Webster-Parkman case the artificial teeth were accepted as the corpus delicti, and the murderer hanged. The Judge charged the jury that a corpus delicti was necessary to conviction, but this did not require the absolute production of the body of the alleged deceased, but the production of such legal evidence as proves bethen under command of Commodore | vond a doubt that the murder was committed in the manner charged in the

The jury remained out 38 hours, but failed to agree, nine steadily voting for conviction and three for acquittal.

The State at once gave notice for a new trial. This can be done in Illinois and in some other States. In Pennsylvania and possibly other States it is held that when once a man has been on trial to the extent of impaneling a jury he has been "put in jeopardy," in the meaning of the Constitution, and cannot be tried

The trial has probably cost Cook

1



Pussonal Rekollekshuns of an Army Cook.

The War Viewed from the Rear. I tell you, our Regimental Surgeon wuz a boss doctor. He didn't lay undeh tuh none ob dem, no matter what regiment dey belonged tub. He could gib a Latin name ez long ez vore ahm for no e-bleed, and vaccinate you in three languages. My, how much dat man knowed! He'd cuss de flip Majah and de udder ossifers in Latin and Greek sometimes, soze not tuh break de regulations, and it wuz jest orful. I wonder dat it didden't wither dem, and make their

He wuz mighty cute, too, wid all his learnin'. At fust de boys 'd play it on him bad. Dev'd go up tuh him at sick call and play off sick and show him deir tongnes, and git excused from duty. He'd gib dem some powder or pills, which dev'd from away jest ez soon ez dev wuz ont ob sight. I done seed him one day walkin' along er path through de brush leadin' tub his tent, whah de ground wuz white wid de papers dev'd frowed away. He wuz a-studyin' an' I knowed dey'd ketch it. De next dey I watched, and see dem come up agin. He'd

"Don't feel well, eh? Pains in your breast and stomach? Couldn't sleep for dem last night? Don't feel able tah go on drill er do any work between meals? Le'me see your tangue. Yes; jest ez I supposed. Attack ob de shirkibus, dead-beatibus malaria. It's very had in camp now. Steward, give dis man two ounces of castor-oil, an' see dat he takes it on de spot. He musn't go a minnit longer widdout treatment. We must things as "Squaw Winter" or "Indian Sumarres' de disease at onct."

De sick-call fell off in popularity de very

next day after he begun dat. What I diddent like 'bout de Surgeon wuz dat he wuz alluz trvin experiments. He t'ought he could cure ebberything wid medicine. When de boys wuz kiekin' 'bout wormy hardtack an' pork he wanted tuh gib 'em all doses the improve deir appetite. When one ob our feliers ran away from a fight he had him brought tuh his tent de ob iron, tuh brace up his nerve.

I wuz moseyin' 'roun' Headquarters one fever, and skipped out through the Chilkoot foremost law firms of the South. day, while Mistuh Jo wuz still in the gyardhouse on account ob dat Chaplain business, when I oberheared de Surgeon talkin' tuh de Kunnel 'bout Mistuh Jo.

"One ob de very best men in de regiment," de Kunnel, he say, "if he'd only let and capture her, and to defeat another | charged in the indictment, yet few ex- likker alone. I declar' I don't know what

"La' ne hab hold ob him an' try tuh cure him," sez de Surgeon, "I hab an idee I kin do it. I believe I kin gib him some likker mixed with sumfin tuh make him sick, an' it'll turn him agin it so's he'll nebber want annuder drink ez long ez he's in de army." the Kunnel, tired-like, "though I haint no of numbers. faith in it. But I'm willin tuh try any-

thing, fuh I'm very fond ob dat man, in spite ob his cuttins-up."
"He's bin in gyard-house so long now dat he must be jest burnin' up fur a drink ob seamanship. She sailed away in search had made very savage threats against whisky. I jest heared de Majah axin' de Ajutant fur a detail to sot up his tent, an' fix it in good shape for tub receive some ladies who is comin' intuh camp dis arter- practice of boiling up their old and objectionnoon. I'll fix up a bottle ob whisky wid ipekak an' sum udder things an' sneak it in among de Majah's traps. Den you tell de Ajutant tuh sen' dis man an' sum udders from de gyard-house tuh put up de Majah's

> undergroun'-an' de rest'll be all right." "Very good, Surgeon," sez de Kunnel, an' gib de orders tuh de Ajutant. I done lay fur de squad when it come outen de gyard-house, an' I whispered in

tent. He'll drap on tuh dat whisky, sho's

yo're born-he'd find it, if it wuz fohty feet

Mistuh Jo's ear: "Don't yo' dar' tech dat whisky yo' find in de flip Majah's tent. It's done loaded for Mistuh Jo he wink his eye, an' he

whispered back : "I ketch on, but it's powerful hard. I wants some whisky now wasser'n I do de

Ten Commandments." "Well, jest lef dat alone, an' I'll steal some for you from de Commissary an' hab it foh yo' when yo're frough work."

Mistuh Jo done ez I tole him, an' paid no more 'tenshun tuh de whisky bottle dan if it had a bin a tent peg. When he comes down tuh de mess I had a tincup ob commissary foh him-jest enuff to set him up, an' not enuff tuh make a fool of him. Den I tole him what I'd oberheared, and we all sot out tuh watch de flip Majah. He wuz in his tent, shavin' and puttin' on his best cloze tuh meet de ladies. Jest ez he had finished his eye fell on de bottle of whisky.

"Well, I declar," sez he; "I done forgot I had dat bottle. An' I wuz jest wantin' some de wust way, tuh brighten me up fur de ladies. I'm a little offen my feed lately. Snowball (I wuz hangin' ronn' watchin' so's tuh tell de boys) bring me some fresh watch, in a hurry, you brack imp.'

I run fur de water, an' de flip Majah he took a very stiff horn, an' jest at dat minnit de ladies rid in, an' I held deir hosses while de flip Majah helped dem off. Dey wuz F. F. V.'s who lived two or three miles from

"Ladies," sez he, " permit an ossifer ob de ahmy ob de United States tuh welcome yo' tuh his rude abode. It's not sech a place by a palace would be more fittin', but while seem like a palace.'

"O, Majah," tittered one ob dem, "how polite and flewery is your langwidge. If de udder Yankees wuz only like you. "I shall be proud tub interduce you tub some of my brother ossifers, who'll be here presently," sez he, bowin' very low, "an' I hope you'll spend a very pleasant hour wid

Wid dat I see him gulp an' git pale 'bout "Ladies," sez he, " walk in an' take seats. I feel dat my tent is honored ez it nebber

has bin, by yo' presence." "Majab, I'm afeard yo' 're not feelln' well," sez one ob de ladies. "You look very

"I've had a great deal on my mind," sez he tryin' tuh hold on tuh hisself; "campaign plans are very perplexin', and I've a great deal of thinkin' tuh do foh de Jineral, who relies on me whenebber he's in a tight place." I wonder dat lie didn't choke him. Jest

den de Ajutant and Quartermaster come in. "Ladies," sez de flip Majah, "'low me tuh interduce tub yo' two gallant sons of Mars, who -nh-nh-nh," an' he clapped his hand tuh his mouf an' run outen de tent. "De Majah must hab got some of his big words crosswise in his froat," sez de Ajutant,

lookin' arter him, an' de ladies dey tittered De rest ob us got 'roun' whah we could see de flip Majah tryin' tuh frow up his im-

"Majah, yo' seem onwell," sez Mistuh Jo, gwine up tuh him an' holdin' his head. "O, Jo," groaned de Majah; "git de Surgeon, quick. I know I am pizened. Some enemy ob de country haz pizened me, thinkin' from my appearance I wuz Jineral Mc-Ciellan or Jineral Halleck. Run fur de Surgeon ez quick ez yo' kin. What'll become ob de country ef I die?"

TRIBUNETS.

Life: Pat-Begorra, Meike, it's mesilf es thinks it's hard work gittin' up this hill on a

Mike-Indade it is. Jist stop a minnit won't yez, while Oi spit on me fate.

Harper's Bazar: "Well, prisoner," said the Judge, " if you have anything to say, the court will hear you." "I'd rather be excused, your honor," replied the prisoner. "If I said what I'd like to say

I'd be committed for contempt of court, and

I've got trouble enough without that.

Harper's Bazar: The new village minister was making a round of calls on his bicycle among the farmers belonging to his church and living in the outlying country districts. As he wheeled into one door-yard his parishioner came out to greet him with one hand extended, and exclaimed, as his pastor dismounted: "Why don't you get one of them tautrums, so your wife can ride?"

Life: "By George, Mrs. Monger must be tell-

ing our wives the most awful scandal." "What makes you think so?" "Why, they are both listening without in-

The best mechanics believe that the chain will stay on the bicycle, and never be superseded by the bevel-gearing. The gearing requires too careful adjustment to make it prac-

chain must stand. They are now proposing to cast steel cacno, in order to avoid the air-bubbles that

ticable for every-day rough usage, such as the

prove so disastrous in great guns and similar costly and important steel productions. Pretty soon the Weather Bureau will be trying to convince us that there are no such

mer," and that suckers don't run when the degwoods bloom. An inmate of the Maine Soldiers' Home has been caught smuggling in whisky concealed in his wooden leg. He certainly didn't learn that

trick in the army. The attorneys of Sansagemaker Luetgert were at first undecided whether to prove that next day, an' begun fillin' him wid tincture Mrs. Luetgers had boiled herself in the potash vat, or had been seized with the Klondyke

There is one place in the country which is

The great increase in the number of bridal couples in Washington is the surest sign of the return of prosperity. As a rule, people only get married when times are good, and there have been mighty few bridal couples around Washington for the last four years. Now they "Well, you kin take him an' try it," sez | run a dead heat with the office-seekers in point

> We are a very impressionable people. The butchers, restaurant-keepers and lunch-stand bosses report an enormous falling off in the demand for sausages since the beginning of the Luetgert trial. Of course, no one believes that sausagemakers generally are addicted to the able wives, but all the same he concludes he won't eat any sausage to-day.

New York Weekly: Awkward Miss, with umbrella -Beg purd on, sir. Polite gentleman-Don't mention it. I have still one eye left.

PUZZLES AND QUERIES.

Some Problems Which are Really

Worth While Working Out. In place of a puzzle column which only contains "brain-rackers," involving ingenuity, patience and research, without producing anything of real interest and value in the a Massachusetts regiment, and spent 13 months end, we present puzzling problems in science | in Andersonville. and natural history, which involve actual, valuable and practical knowledge, and which, when worked out, will add to the worker's store of information on the working of Nature's great laws.

Answers to these should be designated by number, as we number them consecutively, give the answers in future issues, and also had been killed. the names of the most successful solvers.

Answers to the Puzzles and Queries published in the issue of Oct. 14 have been received from several readers. Stanton Park, Atchison, Kan., answered correctly Nes. 2, 3, and 6, S. W. Stabach, Oakland, Md., answered correctly No. 3. A Malden, Mass., reader showed considerable research; he answered correctly Nos. 4. 5, and 9, but in Nos. 7 and 8 gave illustrations instead of principles.

Answers.

Here are the correct answers: 1. The most extensive view possible from | 473. sea-level is at the pole. This is the result of the flattening of the earth at the poles causing the horizon to be remote.

2. A ball dropped into a well extending back and forth from one side to the other, with a gradually shortening path, and finally come to rest at the center of gravity, which may be the center of the earth but is not necessarily so. Were the hole a vacuum, the ball would continue its movement indefinitely. 3. The Twentieth Centary will begin with

4. Coca is Erythroxylon coca, a South Ameriis Theobroma cacao, the fruits of which are the hard-fought battles. He was a charter memsource of both chocolate and casao. The cocoa- ber of Hamilton Post, 311, of Gratiot, O. nut palm is Cocos uncifera, a palm found in all

well-known cocoanuts.

the bark of the cinchona tree (Cinchona calisaya, Cinchona rubra, Cinchona flava). The bark itself was formerly largely used as a drug McGrogan, Co. L. 6th N. Y. Cav. He was Comunder the name of "Pervuian bark." 6. Celluloid is a mixture of low nitrated

gun-cottons (collodion cotton) with campbor. 7. Heat is necessary for the conversion of a in the case of water and every other common | a fight with Mosby's men, Feb. 22, 1864. Thos. liquid. When a substance which is gaseous at M. Gardner Post, 207, conducted the funeral ordinary temperatures, such as ammonia services. (ordinary ammonia is a solution of the true ammonia in water) is made liquid by pressure it becomes hot, the work done in compression having been converted into heat. If now the liquid so formed is allowed to cool to the ordinary temperature and then allowed to suddenly expand, it takes up the heat necessary for its conversion into gas from surrounding objects. If the vessel in which it is contained and allowed to expand be surrounded by water, the water is frozen.

S. When a magnet is brought near a wire or piece of metal it causes a momentary pulse-like electric current through it. When the magnet is withdrawn another thrill in the opposite direction is caused. No current goes through the wire when magnet and wire are at rest. There is merely an instantaneous current in one direction when the magnet approaches and another when it is withdrawn. Dynames are so built that a very powerful magnet (an dynamo." Where this operation is not effected | the Medical Boards and Special Examiners, the machine is an "alternator"; that is, it de- and reduce large pensions.

livers a current alternately in one direction or the other. The number of alternations may be a few hundred per minute or many thousands. 9. In the case of essential oils, they are usually extracted by distillation with steam. In the case of fatty oils, such as linseed oil, the method nowadays is to sook the seed in naphtha. The naphtha dissolves the oil or fat just as water does sugar. The mixed naphtha and fat is then drawn off into tanks, and the naphtha distilled off, leaving the fat or oil in the

10. The reason for believing the earth has a metallic core is that while the rocks and other substances composing the exterior layer as far as man has been able to reach, are not more than 22 times as heavy as an equal bulk of water on the average, yet the weight of the globe as a whole is more than five times that of a sphere of water of the same size. Hence there must be materials much heavier than ordinary rock in the interior of the globe, and these materials can hardly be anything else than metals. The earth is very likely built like many meteorites; i. e., a core of iron surrounded by a skin or film of lighter materials, The magnetic nature of the earth is not necessarily due to this, since many rocks are magnetic, but as a matter of fact it probably is in a great measure.

Additional Puzzles and Queries. 21. What is the difference between "amper-

age" and "voltage"? 22. What is the difference between an are

light and an incandescent light? 23. What is meant by "63-gear" as applied to bicycles? 24. What year immediately preceded 1 A.

25. What is the difference in time between two points lying one mile east and west apart om one another in the city of Minneapolis. which is approximately on the 45th parallel? 26. Why should bodies weigh less at the

27. If a gun mounted on a train traveling 50 miles an hour were fired to the rear, with a charge of powder normally sufficient to give a velocity of 50 miles an hour to the shot,

what would happen? 28. What happens to limestone when it is ournt in a lime-kiln?

29. Why should canning preserve meat? 30. What is the principle upon which the rotary cream separators work?

PERSONAL.

Wm. Wirt Howe, of New Orleans, La., who was elected President of the American Bar Association at its recent meeting at Cleveland, O., served as Major of the 4th U. S. C. Cav. After the war he went to New Orleans and entered upon the practice of the law. From 1863 to 1873 he served as one of the Judges of the Supreme Court of Louisiana, and made a high reputation by the soundness of his decisions and the pithy forcefulness of their expression. He is now the head of the law firm of Howe, Spencer & Locke, of New Orleans, one of the

There was quite a social event at Mt. Vernon, O., Oct. 20, is the marriage of Hurd Alexander Cassil, youngest son of Col. Alexander not troubled with smoking chimneys. That is | Cassil, to Miss Mabel Gladys Putt, one of the Key West. There is not a chimney in the city. belles of the city. Col. Cussil served in the 65th Ohio, one of the very best regiments in

Capt. M. T. Russell, of Des Moines, Iowa, has received a medal of honor for his gallantry at tone River, Dec. 29, 1862. He then commanded Co. A, 51st Ind., and on the evening of the 29th was ordered to take his company acress Stone River and see who was over there. As they came out of the water they received a volley from a party of rebels stationed in observation. Fortunately, the rebels overshot them. It flashed instantly upon Capt. Russell that their guns were now empty, and he ordered his company to charge. The rebels were scattered at once, and as they fled Co. A gave

them the contents of their muskets. Gen. W. W. Blackmar, of Boston, is the possessor of the chair in which Gen, Grant sat at Appomattox when he wrote out the conditions

for the surrender of Lee. The famous Quincys, father and son, of Massachusetts, were so much alike at one time, in spite of their difference in years, that it was hard to tell them apart. Once at a public dinner where both father and son were present, a toast was given to the father. Instantly the younger Quincy rose to his feet, and pointing to his venerable, father said: "My son will

Capt. Charles A. Como is a candidate for Postmaster of Hanover, Ill. His chance appears to be good. Capt, Como served three years in

Nathaniel C. Barker, of Somerville, Mass., has been awarded a medal of honor in recognition of an act of gallantry at the battle of Spottsylvania, while a Sergeant in the 11th N. H. He took the place of the Color Sergeant carrying the regimental and National flags, who

A very pleasant wedding took place at Syracuse, N. Y., Sept. 21. It was that of Miss Julia, daughter of Comrade L. A. Fox, and Dr. F. Sinclair Fay, a rising young physician of Syra-

MUSTERED OUT.

McClaughrey .- At Blue Island, Ill., Mathew McClaughrey, Co. F, 100th Ill. He was buried with military honors by the comrades of Post

SHERIDAN.-At Harrisburg, Pa., James Sheridan, Co. G. 200th Pa. Comrade Sheridan was born in County Dublin, Ireland, in December, 1818, and came to this country in August, through the earth to the antipodes will vibrate 1848. He was a member of Post 58. A widow and one son survive him. RODMAN.-At Saybrook, Ill., Sept. 17, 1897.

Joseph W. Rodman, Co. B, 42d Ind., aged 66

years. McPherson Post, 79, G.A.R., took

charge of the funeral. The deceased leaves a wife and six children to mourn his loss. BUCKINGHAM .- At Brownsville, O., Oct. 14, 1897, aged nearly 70, George L. Buckingham died suddenly by the bursting of a bloodcan shrub yielding the coca leaves of commerce. | vessel while he was coughing. He enlisted in Coca leaves are chewed as a stimulant by the | Co. B. 24th Ohio, May 30, 1861, and was mustered ont June 21, 1864. He served through many

PIKE .- At Salisbury, Mass., Oct. 16, Aaron tropical countries near sea-level. It yields the Pike, after a short illness. The deceased was a farmer by occupation, and was 66 years old. 5. Quinine is an alkaloid extracted from He was a member of Co. C, 48th Mass., of Newburyport, Mass., and of Post 49. McGROGAN. - At Zearing, Iowa, Edward J.

mander of A. J. Patton Post, 239. The funeral service was conducted by the G.A.R. THOMAS. - At Nantucket, Mass., Oct. 5, Chas. M. Thomas, 2d Mass, Cav., aged 63. Comrade liquid into a vapor or a gas, as is well known | Thomas enlisted in 1863, and was wounded in

> MASON.-At Royalston, Vt., Stillman B. Mason. Comrade Mason was a well-known G.A.R. man. He leaves a widow, two sons and

a daughter. McJannett.-At the Soldiers' Home, Chelsea, Mass., John McJannett, Co. B, 5th Mass. Comrade McJannett was also a veteran of the Mexican War, and took part in the storming of Vera Cruz. He was a member of the crew of the brig sent to Ireland with corn during the famine. O. W. Wallace Post, 106, attended the

funeral in a body. The Library is All Right, Publishers of THE NATIONAL TRIBUNE: GENTLEMEN: The National Tribune Library came, and it is all right.

JOSEPH BLACKBURN, Coshocton, O. T. S. Weed, Sergeant, Co. D, 14th Mich., West Mentor, O.: I applied for a pension in 1877, electro-magnet, usually) is alternately brought | but my claim has never been allowed. Why? near to and withdrawn from a mass of coiled I had no hospital record. In my immediate wire. A current is set up in each turn of the neighborhood are living eight men who served wire at each operation, and the sum of these from three months to a year, all drawing pencurrents form the immensely powerful currents | sions ranging from \$12 to \$30 per month. My used for lightning. By appropriate mechanical service of four years and eight months was devices the currents going in one direction are greater than the combined term of the eight. I separated from those proceeding in the other, | can see a way to remedy this-remove from and the machine is then a "continuous-current office all high-salaried clerks, do away with